



Contents lists available at [ScienceDirect](http://www.sciencedirect.com)

Linear Algebra and its Applications

journal homepage: www.elsevier.com/locate/laa



Preface to the 15th ILAS Conference Proceedings Cancún, México 2008

This special issue of Linear Algebra and its Applications is devoted to selected papers presented at the 15th Conference of the International Linear Algebra Society, which was held June 16–20, 2008 at the Westin Hotel, Cancún, México.

The program included 13 invited plenary lectures, 8 minisymposia, and 91 contributed talks. The invited plenary lectures were given by Leslie Hogben, ErXiong Jiang, Albrecht Boettcher, Naomi Shaked-Monderer, Daniel Kressner, Froilán M. Dopico, Juan Manuel Peña, James Nagy, Heike Fassbender, Paul Van Dooren, Luca Gemignani, Peter Rosenthal, and Ilya Spitkovsky.

The titles of the minisymposia and their organizers were: Combinatorial Matrix Theory, (Leslie Hogben and Bryan Shader); Eigenproblems: Theory and Computation, (Julio Moro); Implementation and Application issues in regularizing least squares and total least squares, (Rosie Renaut); Linear Algebra Education, (María Trigueros and Asuman Oktaç); Linear Algebra in Model Reduction, (Peter Benner); Matrix functions and matrix equations, (Peter Lancaster and Chun-Hua Guo); Max Algebra, (Hans Schneider and Peter Butkovic); Nonnegative and eventually nonnegative matrices, (Judi McDonald). There were 85 talks presented in the minisymposia.

The content of the talks presented at the conference shows that research in linear algebra has many facets and connections with numerous areas of mathematics and its applications. The papers included in this issue, which were refereed according to the usual standards of LAA, illustrate the diversity of research areas and the approaches used to study theoretical and application problems, and also the problems of linear algebra education.

The organizing committee consisted of Rafael Bru, Luz María de Alba, Daniel Hershkowitz, Andre Klein, Beatrice Meini, Dale Olesky, Vadim Olshevsky, Jeff Stuart, Daniel Szyld, and Luis Verde-Star. The members of the local organizing committee were María José Arroyo, Rubén Martínez-Avendaño, Martha Takane, and Luis Verde-Star.

The special editors

Daniel Kressner

Seminar für Angewandte Mathematik,

HG G 57.1,

Rämistrasse 101,

8092 Zürich, Switzerland

E-mail address: daniel.kressner@sam.math.ethz.ch

Beatrice Meini

*Dipartimento di Matematica "L. Tonelli",
Largo Bruno Pontecorvo, 5 56127 Pisa, Italy
E-mail address: meini@dm.unipi.it*

Vadim Olshevsky

*Department of Mathematics,
196 Auditorium Road, Unit 3009,
Storrs, CT 06269-3009, USA
E-mail address: olshevsky@uconn.edu*

Jeff Stuart

*Department of Mathematics,
Pacific Lutheran University,
Tacoma, WA 98447, USA
E-mail address: jeffrey.stuart@plu.edu*

Luis Verde-Star

*Departamento de Matemáticas,
Universidad Autónoma Metropolitana, Iztapalapa,
Apartado 55-534, México D.F., Mexico
E-mail address: verde@xanum.uam.mx*

Available online 29 October 2009